



MONTGOMERY COUNTY PUBLIC SCHOOLS LEAD IN DRINKING WATER TESTING 2018

Executive Summary: Montgomery Blair High School

51 University Boulevard E
Silver Spring, MD 20901

Date of Test Report:	03/12/2018
Round of Testing:	Initial
# of Outlets Tested:	74
# of Outlets \geq 20 ppb:	0
Low Value (ppb):	< 1.0
High Value (ppb):	15.8

Project Status

Initial testing complete: All results less than 20 ppb.



March 12, 2018

Mr. Brian Mullikin
Environmental Team Leader
Montgomery County Public Schools
8301 Turkey Thicket Drive
Building A, First Floor
Gaithersburg, Maryland 20879

Re: Lead in Water Testing Service

Location: Montgomery Blair High School
 51 University Boulevard E
 Silver Spring, MD 20901

Dear Mr. Mullikin:

Professional Services Industries (PSI), Inc. is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of initial lead in water testing at Montgomery Blair High School, located at 51 University Boulevard E, Silver Spring, MD 20901.

Scope of Services:

PSI conducted lead in water testing at Montgomery Blair High School in accordance with the Environmental Protection Agency (EPA) and Maryland House Bill (HB) 270. State regulation established an action level of 20 parts per billion (ppb) to evaluate lead levels in school buildings, a concentration EPA recommends that schools take action to reduce lead below this action level. Maryland requires periodic testing for the presence of lead in drinking water in occupied public and nonpublic school buildings. EPA developed the 3T's (Training, Testing, and Telling) to assist schools in reducing the lead concentrations in their drinking water. More information about 3T's can be found on the EPA website.

PSI visited the site on 02/06/18, 02/07/18, 02/08/18, and 02/09/18 to collect samples from 74 drinking water outlets in accordance with current criteria described by the Maryland Department of the Environment (MDE) Draft Lead in Drinking Water—Public and Nonpublic Schools, Title 26, Subtitle 16 Lead, Chapter 07.

Samples were submitted to a laboratory for lead in water analysis using current US EPA methodology. The laboratory has been certified by the Maryland Department of the Environment to analyze drinking water for lead.

Results:

There were no results of the lead in water analysis at or above 20 parts per billion (ppb).

The lead in water sample results < 20 ppb for sample collection date 02/07/18 and 02/09/18 are shown in Attachment A.



Discussion:

Lead is a naturally occurring element that can be harmful to humans when ingested or inhaled, particularly to children under the age of six. Lead can adversely affect the development of children's brain potentially leading to detrimental alterations in intelligence and behavior. Lead has been historically used in plumbing, paint and other building materials. Lead is released into the environment from industrial sources and fuel combustion. Lead may also be found in consumer products (imported candy, medicines, toys, dishes, etc.).

Most lead leaches into drinking water from contact with plumbing components such as faucets and valves made of brass or lead-containing solder. The physical and chemical interaction that occurs between the plumbing and water directly contributes to the amount of lead that is released into the water. Although plumbing components installed prior to the 1990's could contain more lead than newer materials, the amount of lead in the drinking water cannot be predicted by the age of building. The purpose of this regulation is to establish a program to minimize the risk of exposure to lead in drinking water outlets at schools.

Simple steps like keeping your home clean and well-maintained will go a long way in preventing lead exposure. These steps include inspecting and maintaining all painted surfaces to prevent paint deterioration, using only cold water to prepare food and drinks, flushing water outlets used for drinking or food preparation, and cleaning around painted areas where friction can generate dust, such as doors, windows, and drawers. Wipe these areas with a wet sponge or rag to remove paint chips or dust, and wash children's hands, bottles, pacifiers and toys often.

Respectfully Submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Nand Kaushik, P.E.
Department Manager, Environmental Services
Nand.Kaushik@psiusa.com

Attachments: A – Lead in Water Test Summary Table

ATTACHMENT A

Lead in Water Test Summary Table

Contractor: Professional Services Industries, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for Montgomery Blair High School

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00814		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW00815		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW00816		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW00817		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW00818		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW00821		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW00822		Kitchen		Faucet	<1.0	Pass	Testing Complete
LW00825		Break Room	Next To Kitchen	Faucet	<1.0	Pass	Testing Complete
LW00827		Cafeteria Hallway		Cooler	<1.0	Pass	Testing Complete
LW00828		Cafeteria Hallway		Cooler	<1.0	Pass	Testing Complete
LW00829		Cafeteria Hallway		Cooler	<1.0	Pass	Testing Complete
LW00830		Cafeteria Hallway		Cooler	<1.0	Pass	Testing Complete
LW00831		Hallway	Next To 161	Cooler	<1.0	Pass	Testing Complete
LW00832		Hallway	Next To 161	Cooler	<1.0	Pass	Testing Complete
LW00833		Hallway	Next To 161	Cooler	<1.0	Pass	Testing Complete
LW00835	152	Work Room		Faucet	<1.0	Pass	Testing Complete
LW00836	140	Health Room		Faucet	<1.0	Pass	Testing Complete
LW00837	141	English Office		Faucet	<1.0	Pass	Testing Complete
LW00838	130	Special Ed		Faucet	<1.0	Pass	Testing Complete
LW00839		Work Room	Inside Of Guidance Rm	Faucet	<1.0	Pass	Testing Complete
LW00840		Media Center Office		Faucet	<1.0	Pass	Testing Complete
LW00843		Concession	Across From Main Office	Icemaker	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
LW00843		Concession	Across From Main Office	Icemaker	<1.0	Pass	Testing Complete
LW00844		Work Room Administration		Faucet	<1.0	Pass	Testing Complete
LW00845		Hallway	Outside Of Auditorium	Cooler	<1.0	Pass	Testing Complete
LW00846		Hallway	Outside Of Auditorium	Cooler	<1.0	Pass	Testing Complete
LW00847		Hallway	Outside Of Auditorium	Cooler	<1.0	Pass	Testing Complete
LW00850	001	Child Development		Bubbler - Indoor	<1.0	Pass	Testing Complete
LW00853	001	Child Development		Faucet	<1.0	Pass	Testing Complete
LW00854	15	Music		Faucet	<1.0	Pass	Testing Complete
LW00855		Hallway	Next To 116	Cooler	<1.0	Pass	Testing Complete
LW00856		Locker Room - Boys		Cooler	<1.0	Pass	Testing Complete
LW00857		Hallway	Next To 255	Cooler	<1.0	Pass	Testing Complete
LW00858		Hallway	Next To 255	Cooler	<1.0	Pass	Testing Complete
LW00859		Hallway	In Front Of 249	Cooler	<1.0	Pass	Testing Complete
LW00860		Hallway	In Front Of 249	Cooler	<1.0	Pass	Testing Complete
LW00861		Hallway	In Front Of 249	Cooler	<1.0	Pass	Testing Complete
LW00863		Hallway	Next To 225	Cooler	<1.0	Pass	Testing Complete
LW00864		Hallway	Next To 225	Cooler	<1.0	Pass	Testing Complete
LW00865		Hallway	Next To 360	Cooler	<1.0	Pass	Testing Complete
LW00866		Hallway	Next To 360	Cooler	<1.0	Pass	Testing Complete
LW00867	341	Science		Faucet	<1.0	Pass	Testing Complete
LW00868		Hallway	Across From 325	Cooler	<1.0	Pass	Testing Complete
LW00869		Hallway	Across From 325	Cooler	<1.0	Pass	Testing Complete
LW00870		Hallway	Across From 325	Cooler	<1.0	Pass	Testing Complete
LW00871		Hallway	Across From 325	Cooler	<1.0	Pass	Testing Complete
M43711	343	Office		Faucet	<1.0	Pass	Testing Complete
M43948		Girls Locker Room		Cooler	<1.0	Pass	Testing Complete
M43949		Girls Locker Room		Cooler	<1.0	Pass	Testing Complete
M43952		Training Room	Between GLR and BLR	Faucet	<1.0	Pass	Testing Complete

Barcode ID	Room Number	Location	Location Notes	Equipment Type	Result (PPB)*	Pass/Fail	Status
M43972		Concession Auditorium		Ice Maker	<1.0	Pass	Testing Complete
M43986		Hallway	Outside Auditorium	Cooler	<1.0	Pass	Testing Complete
LW00848	001	Child Development		Faucet	15.8	Pass	Testing Complete
M43969	101	Other (See Location Notes)	Com. Technology	Faucet	9.3	Pass	Testing Complete
LW00842		Concession	Across From Main Office	Faucet	7.6	Pass	Testing Complete
M44036	005	Classroom		Faucet	4.8	Pass	Testing Complete
LW00841		Concession	Across From Main Office	Faucet	4.7	Pass	Testing Complete
LW00862	251	Work Room		Faucet	4.3	Pass	Testing Complete
LW00826	CAFÉ	Other (See Location Notes)	Next To Kitchen	Faucet	4.1	Pass	Testing Complete
M43941	122	Classroom		Faucet	3.2	Pass	Testing Complete
M43965	140	Health Room Health	Exam Room	Faucet	3.2	Pass	Testing Complete
LW00383		Concession - Stadium		Faucet	2.9	Pass	Testing Complete
LW00823		Kitchen		Faucet	2.7	Pass	Testing Complete
LW00872	310	Office		Faucet	2.6	Pass	Testing Complete
LW00819		Kitchen		Faucet	2.3	Pass	Testing Complete
M43831	270	Break Room	Across 271	Faucet	2.2	Pass	Testing Complete
M30025		Training Room	Between GLR and BLR	Faucet	2.1	Pass	Testing Complete
LW00382		Concession - Stadium		Faucet	1.7	Pass	Testing Complete
LW00834	158	Classroom		Faucet	1.7	Pass	Testing Complete
LW00852	001	Child Development		Bubbler - Indoor	1.7	Pass	Testing Complete
M44039	001	Child Development		Faucet	1.6	Pass	Testing Complete
LW00820		Kitchen		Faucet	1.2	Pass	Testing Complete
LW00851	001	Child Development		Bubbler - Indoor	1.1	Pass	Testing Complete
LW00849	001	Child Development		Faucet	1	Pass	Testing Complete

*ppb = parts per billion